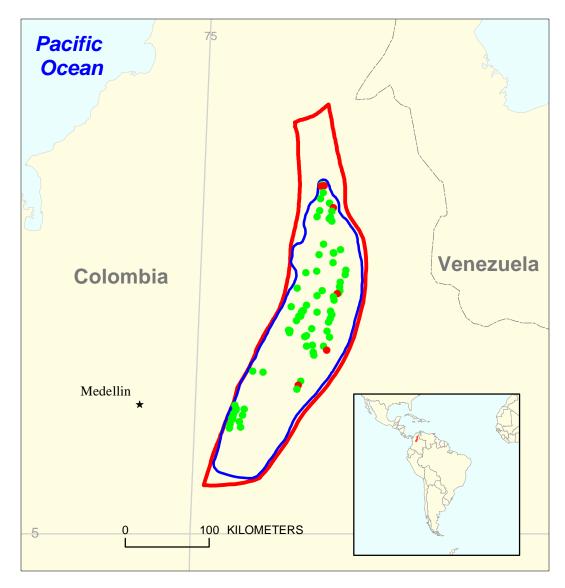
Middle Magdalena Geologic Province 6090



La Luna-La Paz
Total Petroleum System 609001

La Luna-La Paz Total Petroleum System 609001

Middle Magdalena Geologic Province 6090

Middle Magdalena, Province 6090 Assessment Results Summary - Allocated Resources

[MMBO, million barrels of oil. BCFG, billion cubic feet of gas. MMBNGL, million barrels of natural gas liquids. MFS, minimum field size assessed (MMBO or BCFG). Prob., probability (including both geologic and accessibility probabilities) of at least one field equal to or greater than the MFS. Results shown are fully risked estimates. For gas fields, all liquids are included under the NGL (natural gas liquids) category. F95 represents a 95 percent chance of at least the amount tabulated. Other fractiles are defined similarly. Fractiles are additive under the assumption of perfect positive correlation. Shading indicates not applicable]

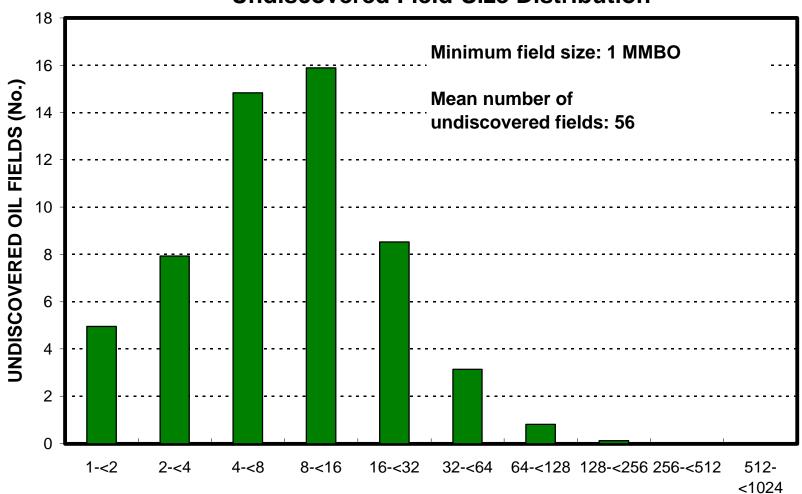
Code	MFS	Prob.	Undiscovered Resources												
and Field			Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)				
Type		(0-1)	F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean	
6090	Tota	ıl: Ass	sessed ons	shore porti	ons of Mid	dle Magda	lena Provir	ce							
Oil Fields		1.00	220	655	1,373	709	257	872	2,151	993	14	51	135	60	
Gas Fields							661	2,074	4,710	2,300	18	60	157	71	
Total	l	1.00	220	655	1,373	709	919	2,946	6,861	3,292	32	111	292	130	
				*	•				*		•	<u>-</u>	<u>'</u>		
6090	Tota	ıl: Ass	sessed offs	shore porti	ons of Mid	dle Magda	lena Provir	ice							
Oil Fields		0.00	0	0	0	0	0	0	0	0	0	0	0	0	
Gas Fields	5	0.00					0	0	0	0	0	0	0	0	
Total		0.00	0	0	0	0	0	0	0	0	0	0	0	0	
		-		·	•		•	•	•	-	•			•	
6090	Grar	nd Tot	al: Assess	sed portion	s of Middle	e Magdalei	na Province)							
Oil Fields		1.00	220	655	1,373	709	257	872	2,151	993	14	51	135		
Gas Fields	Sas Fields	1.00												60	
Ous i icias							661	2,074	4,710	2,300	18	60	157	60 71	

Middle Magdalena, Province 6090 Assessment Results Summary - Allocated Resources

[MMBO, million barrels of oil. BCFG, billion cubic feet of gas. MMBNGL, million barrels of natural gas liquids. MFS, minimum field size assessed (MMBO or BCFG). Prob., probability (including both geologic and accessibility probabilities) of at least one field equal to or greater than the MFS. Results shown are fully risked estimates. For gas fields, all liquids are included under the NGL (natural gas liquids) category. F95 represents a 95 percent chance of at least the amount tabulated. Other fractiles are defined similarly. Fractiles are additive under the assumption of perfect positive correlation. Shading indicates not applicable]

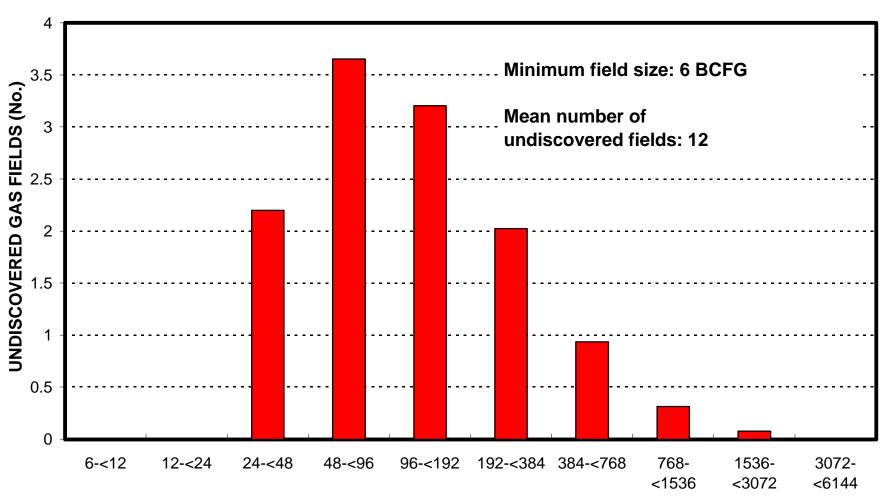
Code			Undiscovered Resources												
and Field	MFS F	Prob.		Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)			
Type		(0-1)	F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean	
609001	Lalı	no Lo	Paz Total P	otroloum Sv	otom										
60900101				,		d oil fields an	nd 100% of u	ndiscovered	nas fields al	located to OI	NSHORE prov	vince 6090)			
Oil Fields	$\overline{}$		67	180	351	191	38	109	234	119	2	6	15	7	
Gas Fields		1.00	01	100	331	101	0	0	0	0	0	0	0	0	
		4 00	0=	400	0.54	404	00		20.4	440	9	_	_		
Total		1.00	67	180	351	191	38	109	234	119	2	6	15	7	
60900102	South	orn Ac	eccement II	nit (100% of	undiccovoro	d oil fiolds o	nd 100% of u	ndiscovered	gas fiolds a	located to O	NSHORE pro	vinco 6000\			
		em As	1	168	391		1		<u> </u>		NSHOKE PIO	virice 6090)	6		
Oil Fields Gas Fields		1.00	52	108	391	188	9	33	93	40	0	0	6 0	2	
Gas Fielus	30						U	U	0	0	U	U	0	0	
Total		1.00	52	168	391	188	9	33	93	40	1	2	6	2	
	_														
60900103	$\overline{}$	rn Ass									ISHORE prov				
Oil Fields		1.00	25	88	207	99	140	515	1,307	591	8	30	82	35	
Gas Fields	24						626	1,951	4,328	2,145	16	56	142	64	
Total	I	1.00	25	88	207	99	767	2,466	5,635	2,735	24	86	224	100	
60900104	La Lu	na and	d Older Asse	ssment Unit	(100% of un	discovered o	il fields and 1	100% of und	iscovered ga	s fields alloc	ated to ONSI	IORE provir	nce 6090)		
Oil Fields	4	1.00	76	219	423	231	69	215	517	244	4	13	32	15	
Gas Fields	24	1.00					35	123	381	155	1	5	16	6	
Total		1.00	76	219	423	231	104	338	899	399	5	17	48	21	
. • • • •	L		. • [_0.		200	100						

Middle Magdalena Basin, Province 6090 Undiscovered Field-Size Distribution



OIL-FIELD SIZE (MMBO)

Middle Magdalena Basin, Province 6090 Undiscovered Field-Size Distribution



GAS-FIELD SIZE (BCFG)